

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows, and please cancel the claims marked as cancelled without prejudice to their filing in a continuation or divisional application.

1. (Currently Amended) An autonomous in vivo sensing device comprising:
a sensor; ~~[[and]]~~
a degradable immobilizer; and
a processor internal to the device to control said immobilizer attached to the device, said sensing device sensor to collect data relating to changes in an in-vivo environmental conditions condition while said sensing device passively traverses the gastrointestinal tract, said sensing device to transmit said data to said processor, wherein said processor is to issue a signal triggered in response to said sensor sensing data related to a change in the environmental condition, wherein said signal issued by said internal processor within the device activates [[and]] said immobilizer capable of being activated in response to a signal attached to the device to stop the passive motion of the device, wherein said signal is issued in response to an environmental condition related to said data.
2. (Cancelled)
3. (Cancelled)
4. (Cancelled)
5. (Previously Presented) The device as in claim 1, wherein said immobilizer is capable of degrading upon exposure to in vivo conditions.
6. (Canceled)
7. (Previously Presented) The device as in claim 1, wherein said sensor comprises an imager.
8. (Original) The device as in claim 1, wherein said immobilizer comprises an anchor.
9. (Original) The device as in claim 8, wherein said anchor is a pointed anchor.
10. (Original) The device as in claim 1, wherein said immobilizer comprises a spring.
11. (Original) The device as in claim 10, wherein said spring is releasably attached to a fuse.

12. (Original) The device as in claim 1, wherein said immobilizer comprises a composition delivery unit.

13. (Original) The device as in claim 12, wherein said composition comprises a drug.

14. (Withdrawn) The device as in claim 1, wherein said immobilizer comprises a gripper and an actuator.

15. (Withdrawn) The device as in claim 14, wherein said gripper is to remove a sample of said tissue.

16. (Original) The device as in claim 1, comprising a power source.

17. (Currently Amended) An autonomous in vivo capsule comprising:

a sensor; ~~[[and]]~~

a degradable immobilization unit; and

a processor internal to the capsule to control said immobilization unit attached to the capsule, said sensing device sensor to collect data relating to changes in an in-vivo environmental conditions condition while said capsule passively traverses the gastrointestinal tract, said sensing device capsule to transmit said data to said processor, wherein said processor is to issue a signal in response to said sensor sensing data related to a change in the environmental condition, wherein said signal issued by said internal processor within the capsule activates [[and]] said immobilization unit attached to the capsule capable of being activated in response to a signal to stop the passive motion of the capsule, wherein said signal is issued in response to an environmental condition related to said data.

18. (Cancelled)

19. (Original) The capsule as in claim 17, comprising an anchor.

20. (Previously Presented) The capsule as in claim 17, said sensor comprising an imager.

21. (Cancelled)

22. (Currently Amended) A method of monitoring an in vivo site, the method comprising:

sensing, in an in-vivo device, data relating to ~~a change in an~~ in-vivo environmental ~~conditions~~ condition while said device passively traverses the gastrointestinal tract;

~~transmitting said data;~~

~~generating~~ issuing a signal in response to said sensed data related to a change in the [[an]] environmental condition related to said data, said signal issued by an internal processor disposed within the device to activate a degradable immobilizer attached to the in-vivo device;

immobilizing said device proximate to an in vivo site to be monitored in response to issuing said signal to stop the passive motion of the device; and

monitoring said in vivo site with said device.

23. (Original) The method as in claim 22, wherein said immobilizing comprises bringing an immobilizer into contact with an endo-luminal tissue.

24. (Original) The method as in claim 22, wherein said immobilizing comprises releasing a spring holding said immobilizer.

25. (Original) The method as in claim 24, wherein said releasing a spring comprises burning a fuse holding said spring.

26. (Original) The method as in claim 22, comprising releasing a composition into said in vivo site.

27. (Withdrawn) The method as in claim 22, wherein said immobilizing comprises gripping an endo-luminal tissue.

28. (Withdrawn) The method of claim 27, comprising removing a sample of said endo-luminal tissue with a gripper.

29. (Original) The method as in claim 22, comprising freeing said device from said in vivo site.

30. (Original) The method as in claim 29, wherein said freeing comprises degrading an immobilizer.

31. (Original) The method as in claim 22, wherein said immobilizing said device comprises transiently immobilizing said device.

32. (Original) The method as in claim 22, wherein said monitoring comprises capturing images of said in vivo site.

33. (Currently Amended) A method for immobilizing an autonomous in vivo device comprising:

sensing, at an in-vivo device, data relating to ~~a change in an~~ an in-vivo environmental condition while said device passively traverses the gastrointestinal tract;

~~transmitting said data; and~~

~~generating~~ issuing a signal triggered in response to said sensed data related to a change in the ~~[[an]]~~ environmental condition related to said data, said signal issued by an internal processor within the device to activate a degradable immobilizer attached to said in-vivo device to stop the passive motion of the device.

34. (Previously Presented) The method as in claim 33, comprising immobilizing said device proximate to an in vivo site to be monitored.

35. (Currently Amended) An in vivo sensing system comprising:

an immobilizable housing;

a sensor ~~attached~~ internal to said housing to collect data relating to in-vivo environmental condition while said housing passively traverses the gastrointestinal tract; and

a controller internal to said housing to issue a signal in response to data from the sensor indicating a change in the environmental condition, wherein said signal is issued by said internal controller within said housing to activate a degradable immobilization unit ~~[[of]]~~ attached to said housing to stop the passive motion of the housing in response to an environmental condition detected by said sensor.

36. (Original) The system as in claim 35, wherein said sensor is an imager.

37. (Currently Amended) The system as in claim 35, wherein said ~~immobilizable~~ immobilization unit comprises a pointed anchor.

38. (Original) The system as in claim 35, comprising a transmitter.